

[Name of Document] ABSTRACT

[Abstract]

[Problem]

5 The object of the present invention is to provide a  
pharmaceutical preparation for anti-inflammations, anti-  
infections or inhibition of cancer metastasis, foods such  
as dairy products, a method of improving proteins, and a  
method for diagnosis of diseases such as cancers, by  
utilizing a novel polypeptide having  $\beta$ 1,3-  
10 galactosyltransferase.

[Means for Solving the Problem]

According to the present invention, there can be  
provided a novel polypeptide having  $\beta$ 1,3-  
galactosyltransferase activity involved in the synthesis  
15 of type 1 sugar chains, a DNA coding for said polypeptide,  
a recombinant vector comprising said DNA, a transformant  
carrying said recombinant vector, a process for producing  
type 1 sugar chain-containing sugar chains and complex  
carbohydrates by use of said polypeptide or said  
20 transformant, an antibody recognizing said polypeptide, a  
method for detecting or quantifying said polypeptide by  
use of said antibody, a method for screening a substance  
correlated with said polypeptide, a method for diagnosis  
or treatment of cancers in the digestive system by use of  
25 said DNA or said antibody, and a method for treatment of  
cancers in the digestive system by use of a substance  
obtained by said screening method.

[Drawing] None